

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Cancelled)
2. (Cancelled)
3. (Canceled)
4. (Currently Amended) ~~The spectacle lens supply method according to Claim 1,~~

A spectacle supply method, in which a computer is set up on a spectacle lens order side and a computer that is connected to this order-side computer such that information can be mutually exchanged is provided on the manufacturer side, and spectacle lenses are supplied by having the order-side computer and the manufacturer-side computer perform computations according to specific input operations and perform the processing required for the taking and/or placing of order for spectacle lenses while exchanging information with each other,

characterized in that when spectacle lens information, spectacle frame information, prescription values, layout information, processing instructions information, and other such processing condition data required for processing is transmitted by the order-side computer to the manufacturer-side computer, a lens design program installed on the manufacturer-side computer performs optical lens design tailored to the customer on the basis of the transmitted processing condition data so that base curves on the left and right convex surface sides approximate each other and at least one optical performance of the left and right lenses, which is selected among astigmatism, curvature of field, and distortion, is similar, when the difference in prescription between the left and right eyes is over a specific amount, and the lenses are manufactured according to this design; and comprising the steps of:

selecting the left and right lenses from a lens design table prepared on the basis of prescription values when the lens design program approximates the optical performance of the left and right eyes to each other;

comparing the convex surface base curve difference between the selected left and right lenses; and

when this base curve difference is over a predetermined standard, performing lens redesign in which the convex surface curve of one lens is made to have an aspherical shape similar to that of the convex surface curve of the other lens so that the astigmatism is substantially the same.

5. (Cancelled)

6. (Cancelled)

7. (Currently Amended) A spectacle lens supply system, comprising a computer set up on a spectacle lens order side and a manufacturer-side computer that is information exchangeably connected to this order-side computer and has a customer database including spectacle lens prescription data and lens design data,

in which the order-side computer and the manufacturer-side computer perform computations according to specific input operations and perform the processing required for the taking and/or placing of orders for spectacle lenses while exchanging information with each other,

wherein the manufacturer-side computer has the function of performing lens design such that a customer experiences substantially no discomfort originating in an optical performance difference when changing from old to new lenses, by selecting or producing new design data for a lens on the basis of customer spectacle lens processing condition data required for processing, such as spectacle lens information, spectacle frame information, prescription values, layout information, and processing instructions information, when this

data is transmitted from the order-side computer to the manufacturer-side computer, and making at least one optical performance of the new lenses produced with this new design data, which is selected among astigmatism, curvature of field, and distortion, approximate at least one optical performance of the old lenses produced with the old design data based on the old prescription values of the pre-registered customer database, which is selected among astigmatism, curvature of field, and distortion, when the difference in prescription between the left and right eyes is over a specific amount.

8. (Previously Presented) A spectacle lens supply system, comprising a computer set up on a spectacle lens order side and a manufacturer-side computer that is information exchangeably connected to this order-side computer and has a customer database including spectacle lens prescription data and lens design data,

in which the order-side computer and the manufacturer-side computer perform computations according to specific input operations and perform the processing required for the taking and placing of orders for spectacle lenses while exchanging information with each other,

wherein, when customer spectacle lens processing condition data required for processing, such as spectacle lens information, spectacle frame information, prescription values, layout information, and processing instructions information, is transmitted from the order-side computer to the manufacturer-side computer, the manufacturer-side computer has the function of performing processing comprising:

a step of checking whether there is any old prescription data for that customer;

a step of selecting or producing lens design data matching the new prescription values as lens design data for the new prescription values if no old data for that customer exists in the manufacturer-side computer, and setting this data as the design data for producing the new lenses;

an optical performance comparison step in which, if there is old prescription data for the customer, the new lens design data for the new prescription values is selected or produced, and the optical performance of the new lenses designed on the basis of the newly selected or produced new design data is compared to the optical performance of the old lenses designed with the old design data matching the old prescription values; and

a step in which, when the results of comparing the optical performance as above indicate that the optical performance difference is within a range such that the customer experiences substantially no discomfort originating in an optical performance difference when changing from old to new lenses, the selected or produced new design data is set as the design data for producing the new lenses, and when said difference goes outside a range in which the customer experiences substantially no discomfort originating in an optical performance difference when changing from old to new lenses, new design data is newly selected or produced for putting the optical performance difference within said range before returning to said optical performance comparison step and such processing is repeated until the optical performance difference is within said range.

9. (Previously Presented) The spectacle lens supply system according to Claim 7, wherein the newly determined new design data is registered for the first time or updated in the customer database.

10. (Previously Presented) The spectacle lens supply system according to Claim 7, wherein, when there is old prescription data for the customer, a step is provided for comparing the difference between the old and new prescription values, and if this difference is not over 0.5 D as the diopter difference, the new lens design data for the new prescription values is selected or produced without performing the optical performance comparison step, and this data is set as the design data for producing the new lenses.

11. (Previously Presented) The spectacle lens supply system according to Claim 7, wherein the lens design data is such that the difference in the curve of a first refractive surface of the left and right spectacle lenses is no more than 1 D.

12. (Canceled)

13. (Previously Presented) The spectacle lens supply system according to Claim 7, wherein the curvature of at least one of the first refractive surfaces of the left and right spectacle lenses is selected such that this curved surface will be aspherical.

14. (Canceled)

15. (Previously Presented) A method for manufacturing a spectacle lens, involving the design and manufacture of left and right spectacle lenses that make up a pair of spectacles in which the prescription including diopter is different for the left and right eyes, wherein, if the difference in the diopter between the left and right eyes is 0.5 D or greater when the diopter prescription out of said prescription including the diopter includes a positive diopter, the difference in the diopter between the left and right eyes is 1 D or greater when the diopter prescription includes a negative diopter:

when the refractive surfaces in front of the left and right spectacle lenses are termed the first refractive surfaces and the refractive surfaces on the eye side are termed the second refractive surfaces, in designing the curvature of the curved surfaces of the first and second refractive surfaces of the left and right spectacle lenses, this design is performed so that the left and right spectacle lenses satisfy their respective prescription conditions including the diopter, so that at least one optical performance of each lens, which is selected among astigmatism, curvature of field, and distortion, falls within an acceptable range, so that the difference in the curvature of the first refractive surfaces between the left and right spectacle lenses falls within a range of 1D or less and so that the curved surface of the first refractive surface of at least one of the left and right spectacle lens is aspherical.

16-18. (Canceled)

19. (Previously Presented) The spectacle lens supply system according to Claim 8, wherein the newly determined new design data is registered for the first time or updated in the customer database.

20. (Previously Presented) The spectacle lens supply system according to Claim 8, wherein, when there is old prescription data for the customer, a step is provided for comparing the difference between the old and new prescription values, and if this difference is not over 0.5 D as the diopter difference, the new lens design data for the new prescription values is selected or produced without performing the optical performance comparison step, and this data is set as the design data for producing the new lenses.

21. (Previously Presented) The spectacle lens supply system according to Claim 8, wherein the lens design data is such that the difference in the curve of a first refractive surface of the left and right spectacle lenses is no more than 1D.

22. (Previously Presented) The spectacle lens supply system according to Claim 8, wherein the curvature of at least one of the first refractive surfaces of the left and right spectacle lenses is selected such that this curved surface will be aspherical.